

INTERNATIONAL SEARCH REPORT

International application No,
PCJ7US04/3 1703

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B65G 67/1 6 ; B66C 17/08

US CL : 414/804

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimumlocuine patation searched (classification system followed by classification symbols)
U.S. : 414/804, 331.01, 331.00, 331.09, 331.1, 331.14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Releviuu to claim No.
Y	US 5,667,378 A (Bushman) 16 September 1997 (16.09.1977), see entire document	19-21
Y	US 5,636,760 A (Turner) 17 November 1998 (17.11.1998), see entire document	19-21
A	US 4,040,532 A (Pearce et al.) 09 August 1977 (09.08.1977).	

1	Further documents if listed in continuation of Box C	See patent family annex,
	Special categories of cited documents:	
"A"	document defining the subject matter of the application which is considered to be of particular relevance	"T" later document published after the international filing date or priority date of the application in conflict with the application but cited to prove a prior principle or to qualify the invention
"B"	earlier application or patent publication which is not cited as a relevant document	"X" document which is not cited as a relevant document cannot be considered novel as compared to the application when the document is taken alone
"C"	document which may throw doubt on priority claim(s) or which is cited as evidence of the publication date of another citation or other reason (as far as cited)	"Y" document of particular relevance; the document cannot be considered to involve an inventive step when the application is combined with the other documents, such combination being obvious to a person skilled in the art
"D"	document referring to a oral disclosure, see also the other means	"Z" document of the same patent family
"E"	document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search	Date of completion of the international search report
12 October 2005 (12.10.2005)	12 JFr. 2005
Name and mailing address of the ISA/US Mail Stop PCT, AHO; ISA/US Commissioner for Patents P.O. Box 450 Alexandria, Virginia 223 13-1450 Telephone No. (571) 273-3201	Authorized Officer Eileen D. Lillis Telepho No. (571) 272-5250